

# ACADEMY TESTING LABORATORIES, INC.

METALLURGISTS • CHEMISTS

350 WEST 31ST STREET • NEW YORK 1, N. Y. • LACKAWANNA 4-7897-8



## REPORT OF TESTS

March 10, 1960

TO: Mr. L.S. Werner  
1270 Broadway  
New York 1, N.Y.

Reference No. - M-40800  
Material - U.S. Silver Dollar  
Marked - 1804  
Your Order - Verbal  
Submitted for - Metallographic Examination

The submitted U.S. Silver Dollar was examined using a Bausch and Lomb ILS Metallograph at various magnifications from 25 X to 1150 X.


The formation and contour of the numerals in the date is the same as the other letters on the coin. No visible evidence was found of alteration of these numerals by the addition, removal or tooling of the metal.

### Conclusion

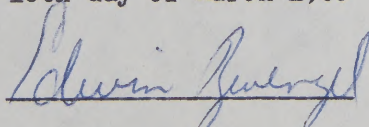
Based upon our examination of this coin, it is our opinion that the date was die struck and has not been altered.

Respectfully submitted,

Academy Testing Laboratories, Inc.

  
Stephen A. Montanaro  
Managing Director

Subscribed and sworn  
to before me this  
10th day of March 1960



EDWIN ZWERGEL  
Notary Public, State of New York  
No. 30-9815790  
Qualified in Nassau County  
Commission Expires Mar. 30, 1960.

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METALLURGISTS • CHEMISTS

350 WEST 31ST STREET • NEW YORK 1, N. Y. • LACKAWANNA 4-7897-8



## REPORT OF TESTS

March 10, 1960

TO: Mr. L.S. Werner  
1270 Broadway  
New York 1, N.Y.

Reference No. - M-40801  
Material - U.S. Silver Dollar  
Marked - 1805  
Your Order - Verbal  
Submitted for - Metallographic Examination

The submitted U.S. Silver Dollar was examined using a Bausch and Lomb ILS Metallograph at various magnifications from 25 X to 1150 X.

The formation and contour of the numerals in the date is the same as the other letters on the coin. No visible evidence was found of alteration of these numerals by the addition, removal or tooling of the metal.

### Conclusion

Based upon our examination of this coin, it is our opinion that the date was die struck and has not been altered.

Respectfully submitted,

Academy Testing Laboratories, Inc.

Stephen A. Montanaro  
Managing Director

Subscribed and sworn  
to before me this  
10th day of March 1960

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Notary Public, State of New York  
No. 30-9815790  
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METALLURGISTS • CHEMISTS

350 WEST 31ST STREET • NEW YORK 1, N. Y. • LACKAWANNA 4-7897-8



DATE 3-10-60

TO

MR. L.S. WERNER  
1270 BROADWAY  
NEW YORK 1, N.Y.

ORDER No. Verbal

INVOICE No. M-40800/01

TERMS: NET CASH

U.S. Silver Dollar

2 Metallographic Examinations

\$ 25 00 \$ 50 00

The services covered in this invoice were rendered in accordance with the  
Federal Wage and Hour Law.





ACADEMY TESTING LABORATORIES INC.  
350 WEST 31ST STREET  
NEW YORK 1, N. Y.

44x



ACADEMY TESTING LABORATORIES INC.  
350 WEST 31ST STREET  
NEW YORK 1, N. Y.

44X





ACADEMY TESTING LABORATORIES INC.  
350 WEST 31ST STREET  
NEW YORK 1, N. Y.

44X



ACADEMY TESTING LABORATORIES INC.  
350 WEST 31ST STREET  
NEW YORK 1, N. Y.

44X



Mr. L. S. Werner  
1270 Broadway  
New York 1, New York

NEW YORK 38, N. Y.

June 24, 1960

## Lucius Pitkin, Inc.

ESTABLISHED 1885

### METALLURGICAL CHEMISTS AND CONSULTANTS

Weighers - Samplers - Assayers - Analysts  
Mineralogists - Metallographers - Spectroscopists  
Main Office and Laboratories

47 FULTON STREET

PITKIN BUILDING



REPORT

L.P. 588983

Telephone: BEekman 3-2737

TERMS: NET. NO DISCOUNT ALLOWED

TO: Professional services in the study of dates  
on two United States silver dollars ..... \$75.00

Mr. L. S. Werner  
1270 Broadway  
New York 1, New York

NEW YORK 38, N. Y.

June 24, 1960

## Lucius Pitkin, Inc.

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47 FULTON STREET

PITKIN BUILDING



REPORT L.P. 588983

Telephone: BEekman 3-2737

TERMS: NET. NO DISCOUNT ALLOWED

TO: Professional services in the study of dates  
on two United States silver dollars ..... \$75.00

Remarks 588 983

6/27

1804 - 10 361 - Or

10 362 Per

10 363-A Close up of date

---

180.5 - 10 359 Or

10 360 Re

10 363 Close up of date

Be-3-2737





# Lucius Pitkin, Inc.

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Main Office and Laboratories

47 FULTON STREET PITKIN BUILDING NEW YORK 38, N. Y.



## REPORT

June 24, 1960  
L.P. No. 588983

Mr. L. S. Werner  
1270 Broadway  
New York 1, New York

Attention: Mr. L. S. Werner

Subject: Study of dates on two silver dollars

Two (2) United States silver dollars, one dated 1804 and the other dated 1805, were studied with microscopes at magnifications ranging from 30 to 500 times to look for any evidence of tampering with or replacement of the last digit of the dates.

The two coins were examined carefully under bright light with a 30-power binocular microscope. They were then cleaned with liquid soap and water, washed with alcohol and dried, then very lightly etched in the region of the date with a solution containing potassium dichromate, salt and sulphuric acid in water.

Even at a magnification of 500 times on a Bausch & Lomb metallographic microscope, no indications of any distortions or replacement of the dates could be found. The texture of the silver surface immediately surrounding the date digits and of the fillets curving from the depressed flat area up into the sides of the raised numbers appeared to match the texture exactly at other comparable portions of the coins. Action of the etch was uniform at all portions of the coins treated. This eliminates the possibility of replacement numbers having been soldered to the coin surface, as solder would have reacted a little differently and would have shown up as slight changes in color and texture.

Enlarged photographs of both faces of the two coins and of the coin dates are attached. See Plates 10359, 10360, 10361, 10362, 10363 and 10363A.

LUCIUS PITKIN, INC.

*F H Wright*  
F. H. Wright

FHW:g1/6

This report is rendered upon the condition that it is not to be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special permission in writing.

Present a separate  
review for each  
town

1 copy  
of each  
date

Subject: Study of date on ~~1804~~  
Same dollar

The United States silver dollar  
dated 1804 .

1805 - 10359 O .  
10360 R  
10363 Endorsed

1804 - 10361 O  
10362 R  
10363 Endorsed





Be-3-2737

Wm. L. L. L.

# Lucius Pitkin, Inc.

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METALLURGICAL CHEMISTS AND CONSULTANTS

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Mineralogists - Metallographers - Spectroscopists

Main Office and Laboratories

47 FULTON STREET PITKIN BUILDING NEW YORK 38, N. Y.

## REPORT

June 24, 1960

L.P. No. 588983a

Mr. L. S. Werner  
1270 Broadway  
New York 1, New York

Attention: Mr. L. S. Werner

Subject: Study of date on silver dollar

A United States silver dollar dated 1804 was studied with microscopes at magnifications ranging from 30 to 500 times to look for any evidence of tampering with or replacement of the last digit of the date.

The coin was carefully examined under bright light with a 30-power binocular microscope. It was then cleaned with liquid soap and water, washed with alcohol and dried, then very lightly etched in the region of the date with a solution containing potassium dichromate, salt and sulphuric acid in water.

It was then examined at a 500 magnification on a Bausch & Lomb metallographic microscope. Even at this high magnification no indications of any distortions or replacement of the date could be found. The texture of the silver surface immediately surrounding the date digits and of the fillets curving from the depressed flat area up into the sides of the raised numbers appeared to match the texture exactly at other comparable portions of the coin. Action of the etch was uniform at all portions of the coin treated. This eliminates the possibility of replacement numbers having been soldered to the coin surface, as solder would have reacted a little differently and would have shown up as slight changes in color and texture.

Enlarged photographs of both faces of the coin and the coin date are attached. See Plates 10361, 10362 and 10363A.

LUCIUS PITKIN, INC.

*F. H. Wright*  
F. H. Wright

FHW: fm/6



# Lucius Pitkin, Inc.

ESTABLISHED 1883

METALLURGICAL CHEMISTS AND CONSULTANTS

Weighers - Samplers - Assayers - Analysts

Mineralogists - Metallographers - Spectroscopists

Main Office and Laboratories

47 FULTON STREET PITKIN BUILDING NEW YORK 38, N. Y.



## REPORT

June 24, 1960  
LP No. 588983b

Mr. L. S. Werner  
1270 Broadway  
New York 1, New York

Attention: Mr. L. S. Werner

Subject: Study of date on silver dollar

A United States silver dollar dated 1805 was studied with microscopes at magnifications ranging from 30 to 500 times to look for any evidence of tampering with or replacement of the last digit of the date.

The coin was carefully examined under bright light with a 30-power binocular microscope. It was then cleaned with liquid soap and water, washed with alcohol and dried, then very lightly etched in the region of the date with a solution containing potassium dichromate, salt and sulphuric acid in water.

It was then examined at a 500 magnification on a Bausch & Lomb metallographic microscope. Even at this high magnification no indications of any distortions or replacement of the date could be found. The texture of the silver surface immediately surrounding the date digits and of the fillets curving from the depressed flat area up into the sides of the raised numbers appeared to match the texture exactly at other comparable portions of the coin. Action of the etch was uniform at all portions of the coin treated. This eliminates the possibility of replacement numbers having been soldered to the coin surface, as solder would have reacted a little differently and would have shown up as slight changes in color and texture.

Enlarged photographs of both faces of the coin and the coin date are attached. See Plates 10359, 10360 and 10363.

LUCIUS PITKIN, INC.

*F. H. Wright*  
F. H. Wright

FHW:FM/6

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or in connection with our name without special permission in writing.







10363 A.



10361





10362

1304



10363





10359



10360

1805



**L. S. WERNER**

1270 BROADWAY NEW YORK 1, N. Y.  
LACKAWANNA 4-5669

**NUMISMATIC BROKER  
DEALER -:- IMPORTER**

UNITED STATES AND FOREIGN COINS OF THE WORLD, U. S. PAPER MONEY,  
MEDALS, RARE STAMPS, GREEK AND ROMAN COINS AND OBJECTS OF ART.

January 30, 1961

Mr. F. H. Wright  
Lucius Pitkin, Inc.  
47 Fulton Street  
New York 38, N.Y.

Dear Mr. Wright:

On June 24, 1960 you ran a report L.P. No. 588983 a & b, on our  
1804 & 1805 U.S. silver dollars.

We plan to run a revue on the 1804 & 1805 dollars using your  
report along with other reports, in several Numismatic Journals  
such as, The Numismatist, The Numismatic Scrapbook, The Coin World,  
The Numismatic News.

According to the rule on the bottom of the page on your report, we  
ask you to grant us permission to print our revue in all or a few  
Numismatic journals.

Thank you for your kind favour.

Sincerely,



lsw:am

L. S. Werner



ERSKINE B. MAYO  
CHAIRMAN OF THE BOARD

ROBERT H. BELL, Ch.E; Ph.D.  
PRESIDENT  
TECHNICAL DIRECTOR

FREDERIC H. WRIGHT  
VICE PRESIDENT  
METALLURGIST

ERSKINE B. MAYO, JR.  
SECRETARY AND TREASURER

CHARLES A. JEDLIKA, Ph.C.  
ASSISTANT TO PRESIDENT



**Lucius Pitkin, Inc.**

ESTABLISHED 1885

METALLURGICAL CHEMISTS & CONSULTANTS

**LABORATORIES**

47 FULTON STREET, NEW YORK 38, N. Y.

TELEPHONES BEEKMAN 3-2737-8-9

ANALYSES  
ASSAYS  
CONSULTATION  
METALLOGRAPHY  
RESEARCH  
SAMPLING  
WEIGHING  
SHIPPERS'  
REPRESENTATION  
SPECTROSCOPY  
X-RAY  
FLUORESCENCE  
DIFFRACTION  
NUCLEAR CHEMISTRY  
CABLE ADDRESS: NIKTIP

February 1, 1961

Mr. L. S. Werner  
1270 Broadway  
New York 1, New York

Dear Mr. Werner:

Thank you for your letter of January 30, 1961 relative to our report No. 588983 - A and B, concerning your 1804 and 1805 U.S. silver dollars.

Please be advised that we shall be happy to have you quote our report in a review which you expect to publish in various numismatic journals.

Very truly yours,

*F H Wright*  
F. H. Wright

FHW: fm





**L. S. WERNER**  
1270 BROADWAY NEW YORK 1, N. Y.  
LACKAWANNA 4-5669

**NUMISMATIC BROKER  
DEALER :- IMPORTER**

UNITED STATES AND FOREIGN COINS OF THE WORLD, U. S. PAPER MONEY,  
MEDALS, RARE STAMPS, GREEK AND ROMAN COINS AND OBJECTS OF ART.

January 30, 1961

Mr. F. H. Wright  
Lucius Pitkin, Inc.  
47 Fulton Street  
New York 38, N.Y.

Dear Mr. Wright:

On June 24, 1960 you ran a report L.P. No. 588983 a & b, on our  
1804 & 1805 U.S. silver dollars.

We plan to run a revue on the 1804 & 1805 dollars using your  
report along with other reports, in several Numismatic Journals  
such as, The Numismatist, The Numismatic Scrapbook, The Coin World,  
The Numismatic News.

According to the rule on the bottom of the page on your report, we  
ask you to grant us permission to print our revue in all or a few  
Numismatic journals.

Thank you for your kind favour.

Sincerely,

ls:w:am

L.S. Werner

L. S. Werner  
1270 Broadway  
New York 1, New York

NEW YORK 38, N. Y.

August 1, 1961

Attn.: Mr. L. S. Werner

## Lucius Pitkin, Inc.

ESTABLISHED 1885

### METALLURGICAL CHEMISTS AND CONSULTANTS

Weighers - Samplers - Assayers - Analysts  
Mineralogists - Metallographers - Spectroscopists  
Main Office and Laboratories

47 FULTON STREET

PITKIN BUILDING



REPORT L.P. No. 603442

Telephone: BEekmon 3-2737

TERMS: NET. NO DISCOUNT ALLOWED

TO: Professional Services in the further examination and  
micro hardness testing of 1804 and 1805 Silver

Dollars on July 18 and July 20, 1961. . . . . \$135.00



ERSKINE B. MAYO  
CHAIRMAN OF THE BOARD

ROBERT H. BELL, Ch.E; Ph.D.  
PRESIDENT  
TECHNICAL DIRECTOR

FREDERIC H. WRIGHT  
VICE PRESIDENT  
METALLURGIST

ERSKINE B. MAYO, JR.  
SECRETARY AND TREASURER

CHARLES A. JEDLICKA, Ph.C.  
ASSISTANT TO PRESIDENT



# Lucius Pitkin, Inc.

ESTABLISHED 1885

METALLURGICAL CHEMISTS & CONSULTANTS

## LABORATORIES

47 FULTON STREET, NEW YORK 38, N. Y.

TELEPHONES BEEKMAN 3-2737-8-9

ANALYSES  
ASSAYS  
CONSULTATION  
METALLOGRAPHY  
RESEARCH  
SAMPLING  
WEIGHING  
SHIPPERS'  
REPRESENTATION  
SPECTROSCOPY  
X-RAY  
FLUORESCENCE  
DIFFRACTION  
NUCLEAR CHEMISTRY  
CABLE ADDRESS: NIKTIP

August 1, 1961

L. S. Werner  
1270 Broadway  
New York 1, New York

Attention: Mr. L. S. Werner

Dear Mr. Werner:

Attached herewith are the charges for work  
up to date.

When Mrs. Ostheimer returns from California  
with the coins and additional coins (1802 over 1), we  
shall be pleased to make further comparative tests.  
If it is indicated, at that time we will make a complete  
report with photographs.

Very truly yours,

LUCIUS PITKIN, INC.

*E. Silkiss*  
E. Silkiss

ES:vvz

